IAP7 Rec'd PCTIPTO 23 MAY 2006'

PTO-1390 (Rev. 07-2005)
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TRANSMITTAL LETTER TO THE UNITED STATES **DESIGNATED/ELECTED OFFICE (DO/EO/US)**

ATTORNEY'S DOCKET NUMBER 40616-231172

CONCERNING A SUBMISSION	ON UNDER 35 U.S.C. 371	Not yet Assigned
INTERNATIONAL APPLICATION NO. PCT/JP2004/017677	INTERNATIONAL FILING DATE 22 November 2004	PRIORITY DATE CLAIMED 27 November 2003
TITLE OF INVENTION		27 NOVEMBER 2000
EL FIBER AND PHOTOCATALYST RE APPLICANT(S) FOR DO/EO/US	ACTION VESSEL	
Chihiro KAWAI		
Applicant herewith submits to the United Sta	ites Designated/Elected Office (DO/EC	/US) the following items and other information:
1. X This is a FIRST submission of item	s concerning a submission under 35 U	l.S.C. 371.
2. This is a SECOND or SUBSEQUE	NT submission of items concerning a s	submission under 35 U.S.C. 371.
3. x This is an express request to begin include items (5), (6), (9) and (21) i	national examination procedures (35 indicated below.	U.S.C. 371(f)). The submission must
4. The US has been elected (Article 3	31).	
5. X A copy of the International Applicat	tion as filed (35 U.S.C. 371 (c)(2))	
a. is attached hereto (required or	nly if not communicated by the Internati	onal Bureau).
b. x has been communicated by the	e International Bureau.	
c. is not required, as the applicati	ion was filed in the United States Rece	iving Office (RO/US).
6. x An English language translation of	the International Application as filed (3	5 U.S.C. 371(c)(2)).
a. x is attached hereto.		
b. has been previously submitted	under 35 U.S.C. 154(d)(4).	
7. x Amendments to the claims of the Ir	nternational Application under PCT Arti	cle 19 (35 U.S.C. 371(c)(3))
a. are attached hereto (required o	only if not communicated by the Interna	ational Bureau).
b. have been communicated by the	he International Bureau.	
c. have not been made; however	, the time limit for making such amend	ments has NOT expired.
d. x have not been made and will n	ot be made.	
8. An English language translation of	the amendments to the claims under F	PCT Article 19 (35 U.S.C. 371(c)(3)).
9. X An oath or declaration of the invent	tor(s) (35 U.S.C. 371(c)(4)).	
10. An English language translation of Article 36 (35 U.S.C. 371(c)(5)).	the annexes of the International Prelim	ninary Examination Report under PCT
Items 11 to 20 below concern docur	ment(s) or information included:	•
11. x An Information Disclosure Staten	nent under 37 CFR 1.97 and 1.98.	
12. x An assignment document for recor	ding. A separate cover sheet in compl	iance with 37 CFR 3.28 and 3.31 is included.
13. x A First Preliminary Amendment.		
14. x An Application Data Sheet under	37 CFR 1.76.	
15. A substitute specification.		
16. A power of attorney and/or change	e of address letter.	
17. A computer-readable form of the s	sequence listing in accordance with P	CT Rule 13ter.2 and 37 CFR 1.821 – 1.825.
18. A second copy of the published In	ternational Application under 35 U.S.	C. 154(d)(4).
19. A second copy of the English lang	guage translation of the international a	application under 35 U.S.C. 154(d)(4).
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	S. APPLICATION NO. (PROOF). See 37 CFR(15) A INTERNATIONAL APPLICATION NO. PCT/JP2004/017677					ATTORNEY'S DOCKET NUMBER 40616-231172		
	items or		ion: Face Intern Subm Form Verific	Page of WO 2005/05/ ational Search Report ission of Formal Draw PCT/IB/308 ation of Translation in Receipt Postcard		s. 1-5, 6a, 6b ar	nd 7-9	(9 sheets)
The fol	lowina fe	es have		<u> </u>		CALCULATION	us T	PTO USEONLY
The following fees have been submitted 21. x Basic national fee (37 CFR 1.492(a))					\$ 300.0		110 00201121	
f the written opi prepared by	nion prepa IPEA/US in	red by ISA idicates all	claims satisfy p	national preliminary exam provisions of PCT Article 3	3(1)-(4) \$0	\$ 200.	00	
f the written opi IPEA/US Search fee (37 (Internatio nternational Sea previous)	indicates a CFR 1.445(anal Search arch Reporty communi	ISA/US or all claims s (a)(2)) has ning Author t prepared icated to th	the international atisfy provisions been paid on the p	al preliminary examination s of PCT Article 33(1)-(4) he international application r than the US and provide	\$0 n to the USPTO as an \$100 ed to the Office or \$400	\$ 400.0	00	
		OF 21, 22 a				\$ 900.	00	
seque	nce listing i	in complia m) (37 CFF	nce with 37 CFF R 1.492(j)).	led in paper over 100 she R 1.821(c) or (e) or computes to of paper or fraction the	ter program listing in an			
Total Sheets	Extra Sh	eets	Number of each additional 50 or fraction RATE thereof (round up to a whole number)					
37 - 100 =		/50 =			x \$250.00	\$		
				e, examination fee, or the (37 CFR 1.492(h)).	oath or declaration	\$		
CLAIMS	s	NUME	BER FILED	NUMBER EXTRA	RATE			
Total clai	ms	19	- 20 =		X	0.00		
Independent			! - 3 =		x	0.00		
MULTIPLE DEF	PENDENT	CLAIM(S)	(if applicable)	TOTAL OF A	+ BOVE CALCULATIONS =	s = \$ 900.00		
Applicar	nt claims sn	nall entity :	status. See 37	CFR 1.27. Fees above a		Ψ 300.		
					SUBTOTAL =	\$ 900.0	00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$				
					TOTAL NATIONAL FEE	\$ 900.00		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +			\$ 40.00					
						\$		
				то	TAL FEES ENCLOSED =	o= \$ 940.00		
			· I			Amount to be refunded:	\$	
								

10/580204 iAP20Rec'd PCT/PTO 23 MAY 2006

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a. A check in the amount of \$ to cover the above	e fees is enclosed.						
b. x Please charge my Deposit Account No. 22-0261 in the amo	unt of \$ 940.00 to cover the above fees.						
c. X The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 22-0261 . A Fee Transmittal is enclosed.							
d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038							
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been filed an granted to restore the International Application to pending status	met, a petition to revive (37 CFR 1.137(a) or (b)) must be s.						
	. 1144 22 7000						
SEND ALL CORRESPONDENCE TO:	MILANO LOU YOU MAY 23, 2006-						
	SIGNATURE						
	Michael A. Sartori, Ph.D.						
	NAME						
CUSTOMER NUMBER: 26694	44 290						
	41,289 REGISTRATION NUMBER						
#750984							
#1 3030 4							



PTO/SB/17 (01-06)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). FEE TRANSMITTAL For FY 2006			Complete if Known					
			Application Number Not Yet Assigned			ned //	11/23	
			Filing Date		Concurrently Herewith			
			First Named In	ventor	Chihiro KAWAI			
				Examiner Nam	e	Not Yet Assig	ned	
Applicar	nt claims small entity s	tatus. See 37	CFR 1.27	Art Unit		N/A		
TOTAL AMOU	NT OF PAYMENT	(\$)	1,040.00	Attorney Docke	t No.	40616-231172	2	
METHOD OF	PAYMENT (che	ck all that an	pply)				<u> </u>	
Check	METHOD OF PAYMENT (check all that apply) Check Credit Card Money Order None Other (please identify):							
X Deposit Ac	count Deposit Accou	int Number: 22	-0261 Deposit Acc	count Name:		Venable LL	,P	
For the	above-identified de	posit accou	nt, the Director is	hereby authoriz	ed to: (che	ck all that apply)	1	
хc	harge fee(s) indica	ted below		Char	ge fee(s) in	dicated below, e	xcept for the	filing fee
	harge any additionate(s) under 37 CFF			x Credi	t any overp	payments		
FEE CALCU	LATION (All the	fees belov	v are due upo	n filing or ma	y be subj	ect to a surch	arge.)	
1. BASIC FILIN	G, SEARCH, AND							
		FILING FE		ARCH FEES		NATION FEES	;	ľ
Application T	ype <u>Fee</u>		Entity e (\$) Fee (\$	Small Entity) Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fees Pa	id (\$)
Utility	30	0 1	50 500	250	200	100		
Design	20	0 1	00 100	50	130	65		
Plant	20	0 1	00 300	150	160	80		
Reissue	30	0 1	50 500	250	600	300		
Provisional	20	0 1	00 0	0	0	0		
2. EXCESS CL	AIM FEES						<u>s</u>	mall Entity
Fee Description							<u>Fee (\$)</u>	Fee (\$)
	r 20 (including Re						50	25
_	ent claim over 3 (ir	icluding Rei	ssues)				200	100
Multiple depen							360	180
Total Claims	Extra Claims			Paid (\$)	_	lultiple Depende		
	- 20 = ner of total claims paid f	x	_ =		<u>F</u> :	ee (\$)	Fee Paid (\$)	
Indep. Claims	Extra Claims			Paid (\$)		-		·
	-3=	x	_					
HP = highest num	er of independent clain	ns paid for, if gr	eater than 3.					
3. APPLICATIO								
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).								
Total Sheet			Number of each a	` `		of Fee (\$)	Fee Pa	id (\$)
37 - 100 = /50 (round up to a whole number) x =								
4. OTHER FEE	(S)						Fees P	aid (\$)
Non-English	Specification, \$	130 fee (no	small entity disc	ount)				.
Other (e.g.,	late filing surcharg	e): 1631 B	asic National S	tage tee		er	300 200	1
1633 National Stage Examination Fee - all other 200.0 1632 National Stage Search Fee - all other situations 500.0					•			
8021 National Stage recording each patent assignment, 40.00								
SUBMITTED BY								
Signature	My har De	1206_		Registration No. (Attorney/Agent)	41,289	Telephone	(202) 344-	4000
Name (Print/Type)	Michael A. Sart	ori, Ph.D.		,		Date	May 23, 2	2006

10/580204

JAP20 Rec'd PCT/PTO 23 MAY 2006 Docket No.: 40616-231172

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Chihiro KAWAI

International Application No.:

PCT/JP2004/017677

Confirmation No.: Not Yet Assigned

Application No.: Not Yet Assigned

Filed: Concurrently Herewith

For: EL FIBER AND PHOTOCATALYST

REACTION VESSEL

International Filing Date:

November 22, 2004

Art Unit: Not Yet Assigned

Examiner: Not Yet Assigned

Customer No:

26694

PATENT TRADEMARK OFFICE

Submission Of Formal Drawings

Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Submitted herewith are 9 (nine) sheets of formal drawings containing Figures 1-5, 6a, 6b, and 7-9.

Dated: May 23, 2006

Respectfully submitted,

Michael A. Sartori, Ph.D. Registration No.: 41,289

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Attorney/Agent For Applicant

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VERIFICATION

The undersigned, of the below address, hereby certifies that he/she well knows both the English and Japanese languages, and that the attached is an accurate English translation of the PCT application filed on November 22, 2004 under No. PCT/JP2004/017677.

The undersigned declares further that all statements made herein of his/her own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signed this /3 day of April, 2006

Signature:

Name: Shigeru OKUDA

Address:

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